TSETSKHLADZE, T.V.

TSETSKHLADZE, T.V.

Organoleptic and biochemical changes in wines subjected to gamma radiation. Soob. AN Gruz.SSR 18 no.2:183-188 F '57. (MIRA 10:7)

1. Akademiya nauk Gruzinskoy SSR: Institut fiziki i Institut zashchity rasteniy i Institut vinogradarstva i vinodeliya. Predstavleno akademikom A.V. Durmishidze.
(Wine and wine making--Analysis) (Gamma rays)

DOLIDZE, G.M.; KIRTADZE, N.G.; KOLBANOVSKIY, Yu.A.; LUK'YANOV, A.T.; POLAK, L.S.; PUSTYL'NIKOV, L.M.; TSETSKHLADZE, T.V.

Kinetics of radiation-induced isotope exchange of deuterium with hydroxyl groups of silica gel. Kin. i kat. 6 no. 6: 1003-1009 N-D '65 (MIRA 19:1)

1. Institut fiziki AN Gruzinskoy SSR; Institut neftekhimicheskogo sinteza AN SSSR imeni Topchiyeva i Kazakhskiy gosudarstvennyy universitet imeni Kirova. Submitted April 24, 1965.

L 07059-67 EWT(m)/EWP(j) IJP(c) RM

ACC NR: AP6021631 SOURCE CODE: UR/0089/66/020/003/0272/0273

AUTHOR: Tsetskhladze, T. V.; Fel'ker, V. M.; Kolomiytsev, M. A.

ORG: none

TITLE: Activated detector of thermal neutrons

SOURCE: Atomnaya energiya, v. 20, no. 3, 1966, 272-273

TOPIC TAGS: thermal neutron, neutron detector, cobalt, reactor neutron flux, reactor moderator

ABSTRACT: In view of some difficulties entailed in the use of the customarily employed cobalt foils and wires for neutron detection, the authors propose to eliminate these difficulties by mixing the cobalt with phenol-formaldehyde resin, which serves as a vehicle for chemically pure cobalt acetate. They then describe detectors of this type, used for the ITR-2000 reactor of the Institute of Physics of the Academy of Sciences of the Georgian SSR. The preparation of the resin and of the detector material is described. Three types of detectors were prepared, for radiation exposures from several minutes to one hour (at a flux density 10^{12} neut/cm-sec), up to 10 hours, and for longer exposures. They contain respectively 0.2, 0.08, and 0.04% of cobalt by weight. Tests for the uniformity of the cobalt distribution are described. The expected error in the determination of thermal-neutron flux by these detectors is 11%, and the self-screening is not expected to exceed fractions of 1%. The error due to moderation of the fast neutrons by the hydrogen, carbon, or oxygen

Card 1/2 UDC: 621.387.46

in the resin is estimated at 0.1%. The experimental scatter of the values obtained for the flux did not exceed 2.5% when the detectors were used for relative measurements of the thermal-neutron flux. The authors thank I. M. Gredtsiteli and D. I. Ugrekhelidze for advice in preparing the detectors, and L. M. Mosulishvili for carrying out an activation analysis of these detectors. Orig. art. has: 1 figure.

SUB CODE: 18/ SUBM DATE: 06May65/ OTH REF: 002

L 08343-67 EWT(m)/EWP(t)/ETI IJP(c) JD/JG/WB/GG

ACC NR: AR6031851 SOURCE CODE: UR/0058/66/000/006/A056/A056

AUTHOR: Tsetskhladze, T. V.; Bodokiya, L. V.

TITLE: Oxidation of iron sulfate by neutron radiation in the presence of lithium salts

SOURCE: Ref. zh. Fizika, Abs. 6A521

REF SOURCE: Tr. Tbilissk. un-ta, v. 103, 1965, 145-150

TOPIC TAGS: neutron radiation, lithium, radiation dosimetry, iron sulfate oxidation, oxidation, thermal neutron

ABSTRACT: A study has been made of the chemical dosimetric system often used for neutron dosimetry, i.e., an iron sulfate solution containing lithium salts. The reaction $Li_3^6(n,\alpha)$ occurs as a result of the absorption of thermal neutrons. The tritium nuclei and alpha particles formed in the reaction ionize the medium and cause a conversion of bivalent iron to trivalent iron. A study was made of the temperature dependence of the reaction yield of conversion of bivalent iron to trivalent $G_{Fe^{3+}}$ in mixtures with lithium sulfate. The irradiation of solutions was conducted under three different conditions: in a paraffin block with a thickness corresponding to the moderation length of neutrons at 20 and 40C and with no paraffin block at 20C. The iron concentration was determined from electron absorption spectra on a SF-4 spectrophoto-

Card 1/2

L 08343-67

ACC NR: AR6031851 O

meter. It was found that irradiation of solutions in a paraffin block at 20 and 40C causes a substantial difference in the absorption curves. An increase of the absorption coefficient by nearly 25% indicates a temperature dependence of the oxidation of the bivalent to trivalent iron due to the effect of recoil tritons. The experimental results are insufficient to reach any quantitative conclusions, since the irradiation was carried out in a mixed radiation field which contained fast as well as thermal neutrons. [Translation of abstract]

SUB CODE: 20/

Card 2/2 nst

TIMOFEYEVA, E.Ye.; LYUDVIGOV, R.B.; TSETSKHLADZE, T.V.

Measurement of thermal neutron fluxes in an IRT-2000 reactor.
Soob. AN Gruz. SSR 34 no.2:305-311 My '64. (MIRA 18:2)

NADIRASHVILI, L. Sh; CHIKHLADZE, L.A.; TSINTSKHLADZE, T.V.

Production of tritium-labeled α-aminoacetic acid. Soob. AN Gruz. SSR 34 no.3:541-544 Je '64 (MIRA 18:1)

1. Submitted October 2, 1963.

BIBERGAL', A.V.; TSETSKHLADZE, T.V.; ARTMELADZE, I.D.

The experimental semi-industrial gamma-ray source GUEP-20,000.
Trudy Inst.fiz.AN Gruz.SSR 8:63-74 '62. (MIRA 16:2)
(Gamma rays--Industrial applications)

TSETSKHLADZE, T.V.

Killing silkworm cocoons by irradiation. Trudy Inst.fiz.AN Gruz.SSR 8:103-107 '62. (MIRA 16:2)
(Silkworms) (Gamma rays—Industrial applications)

TSETSKHLADZE, T.V.; KALANDADZE, G.Sh.

Effect of gamma radiation on the catalytic activity of copper oxides in the dehydrogenation reaction of ethyl alcohol. Trudy Inst.fiz.AN Gruz.SSR 6:61-68 '58. (MIRA 15:4)
(Gamma rays) (Copper oxide) (Alcohol, Denatured)

KATIASHVILI, Sh.M.; TSETSKHLADZE, T.V.; CHERKEZISHVILI, L.I.

Effect of γ-radiation on some kinds of fresh and canned fruit. Trudy Inst. fiz. AN Gruz.SSR 7:119-126 '60. (MIRA 14:10)

(Radiation [illegible])

TSETSKHLADZE, T.V.

~~LAPSHIN, G.D.~~

PHASE I BOOK EXPLOITATION SOV/5410

Tashkentskaya konferentsiya po mirnomu ispol'zovaniyu atomnoy energii. Tashkent, 1959.

Trudy (Transactions of the Tashkent Conference on the Peaceful Uses of Atomic Energy) v. 2. Tashkent, Izd-vo AN UzSSR, 1960. 449 p. Errata slip inserted. 1,500 copies printed.

Sponsoring Agency: Akademiya nauk Uzbekskoy SSR.

Responsible Ed.: S. V. Starodubtsev, Academician, Academy of Sciences Uzbek SSR. Editorial Board: A. A. Abdullayev, Candidate of Physics and Mathematics; D. M. Abduraaulov, Doctor of Medical Sciences; U. A. Arifov, Academician, Academy of Sciences Uzbek SSR; A. A. Borodulina, Candidate of Biological Sciences; V. N. Ivashev; G. S. Ikramova; A. Ye. Kiv; Ye. N. Lobanov, Candidate of Physics and Mathematics; A. I. Nikolayev, Candidate of Medical Sciences; D. Nishanov, Candidate of Chemical Sciences; A. S. Sadykov, Corresponding Member, Academy of Sciences USSR, Academician, Academy of Sciences Uzbek SSR; Yu. N. Talanin,

Card ~~1/20~~

Transactions of the Tashkent (Cont.) SOV/5410

Candidate of Physics and Mathematics; Ya. Kh. Turakulov, Doctor of Biological Sciences. Ed.: R. I. Khamidov; Tech. Ed.: A. G. Babakhanova.

PURPOSE : The publication is intended for scientific workers and specialists employed in enterprises where radioactive isotopes and nuclear radiation are used for research in chemical, geological, and technological fields.

COVERAGE: This collection of 133 articles represents the second volume of the Transactions of the Tashkent Conference on the Peaceful Uses of Atomic Energy. The individual articles deal with a wide range of problems in the field of nuclear radiation, including: production and chemical analysis of radioactive isotopes; investigation of the kinetics of chemical reactions by means of isotopes; application of spectral analysis for the manufacturing of radioactive preparations; radioactive methods for determining the content of elements in the rocks; and an analysis of methods for obtaining pure substances. Certain

Card 2/20

Transactions of the Tashkent (Cont.) SOV/5410

instruments used, such as automatic regulators, flowmeters, level gauges, and high-sensitivity gamma-relays, are described. No personalities are mentioned. References follow individual articles.

TABLE OF CONTENTS:

Tsetskhladze, T.V.

PHASE I BOOK EXPLOITATION SOV/3500

Akademiya nauk Gruzinskoy SSR. Institut fiziki

Trudy, tom 6 (Transactions of the Physics Institute of the Academy of Sciences Gruzinskaya SSR, Vol. 6) Tbilisi, 1958. 252 p.

PURPOSE: This book is intended for physicists and physical chemists, and may be used by students taking advanced courses in physics and physical chemistry.

COVERAGE: This is a collection of articles by members of the Physics Institute on such subjects as helium-II, color centers, polarized deuterons in a magnetic field, effect of gamma-rays on copper oxides, digital computer programs, extensive air showers, effect of thermal gradient on crystals, and the theory of heavy unstable particles. The last article, in Georgian, is a brief resume of the development of physics in Georgia during the past 40 years. Abstracts in English are given after each article. No personalities are mentioned. References accompany each article.

Chelishvili, O. D., and O. R. Khutsishvili. Behavior of a Polarized Deuteron Beam in a Magnetic Field 53

In this article the authors discuss the double elastic scattering of a deuteron beam in a magnetic field, and obtain the expression for its angular distribution. It is shown that more data can be obtained on scattering amplitude and polarization by running the experiment in the presence of a magnetic field than without one.

Tsetskhladze, T. V., and O. Sh. Kalandadze. Effect of Gamma Rays on the Catalytic Activity of Copper Oxides in the Reaction of Dehydrogenation of Ethyl Alcohol 61

The dependence of the catalytic activity of Cu_2O and CuO on the radiation dose received by the catalyst is investigated in the reaction of dehydrogenation of ethyl alcohol. The irradiation induces an increase in CuO activity followed by an increase in its resistance and a decrease in Cu_2O activity followed by a decrease in its resistance. The irradiation of the catalyst does not change the mechanism of the reaction.

Chavchanidze, V. V., R. S. Shainer, and V. A. Kuasishvili. Mosaic Programing Method for Electron-Photon Cascade Calculation by the Monte Carlo Method With Electronic Computers 69

The authors present a detailed digital computer program for the computation of electron-photon cascade by the Monte Carlo method. This program is a synthesis of several subroutines each of which is designed for a specific computational aspect of the cascade phenomena. Each cascade is computed completely before a new cascade is computed. The proposed program can be modified to compute other problems solved by Monte Carlo methods.

Bibilashvili, N. F. Lateral Distribution of the Penetrating Component of Extensive Air Showers 141

In this article the author studies the lateral distribution of the penetrating component of extensive air showers with a total number of particles between 10^5 and $5x10^5$ in a tunnel at 400 meters above sea level and depth of 65.5 meters water equivalent. The investigation was carried out at distances of 1, 10, 20, 30, 45, and 60 meters from the shower axis.

Matinyan, S. G. Certain Problems in the Theory of Heavy Unstable Particles 173

This article deals with a theoretical investigation of the properties of heavy unstable particles. Energy spectra of K_e, and $K_{\mu 3}$ decays are investigated. Polarization and correlation phenomena in the decay of hyperons with spin 1/2 and spin 3/2 are considered taking into account parity nonconservation. From an investigation of these effects important data may be obtained on the problem of parity nonconservation and the problem of time inversion in decays of hyperons. A strong Π-K interaction as applied to

τ', τ, τ°, τ3, °μ3, °μ3 decays is also investigated. A phenomenological investigation of γ-production of strange particles is carried out. The authors propose experiments to check Peaslee's statical model of strange particles production. Some processes of γ-production of strange particles are considered, taking into account the magnetic moments of hyperons and nucleons.

Partadze, V. Development of Physics in Georgia During the Past 40 Years (Continuation of a Previous Article) 231

AVAILABLE: Library of Congress (QC1.A384 A1)

Card 7/7

TM/eds/fal
8-17-60

TSETSKHLADZE, T.V.

3(1) PHASE I BOOK EXPLOITATION SOV/2713

International Conference on the Peaceful Uses of Atomic Energy. 2nd, Geneva, 1958

Doklady sovetskikh uchenykh; polucheniye i primeneniye izotopov (Reports of Soviet Scientists; Production and Application of Isotopes) Moscow, Atomizdat, 1959. 388 p. (Series: Its: Trudy, vol. 6) 8,000 copies printed.

Eds. (Title page): G.V. Kurdyumov, Academician, and I.I. Novikov, Corresponding Member, USSR Academy of Sciences; Ed. (Inside book): Z.D. Andreyenko; Tech. Ed.: Z.D. Andreyenko.

PURPOSE: This book is intended for scientists, engineers, physicians, and biologists engaged in the production and application of atomic energy to peaceful uses; for professors and graduate and nongraduate students of higher technical schools where nuclear science is taught; and for the general public interested in atomic science and technology.

COVERAGE: This is volume 6 of a 6-volume set of reports delivered by Soviet scientists at the Second International Conference on the Peaceful Uses of Atomic Energy held in Geneva from September 1 to 13, 1958. Volume 6 contains 32 reports on: 1) modern methods for the production of stable radioactive isotopes and their labeled compounds, 2) research results obtained with the aid of isotopes in the field of chemistry, metallurgy, machine building, and agriculture, and 3) dosimetry of ionizing radiation. Volume 6 was edited by: S.V. Levinskiy, Candidate of Medical Sciences; V.N. Prusakov, Candidate of Chemical Sciences; and V.V. Sedov, Candidate of Medical Sciences. See Sov/2081 for titles of volumes of the set. References appear at the end of the articles.

TSETSKHLADZE, V K.

1061. [illegible] 1925. VII, 204 გვ. 300 ც.

დაცვა 1925, 1.11.

Мгалобанишвили Михаил Филиппович. К вопросу этиологии и лечения фибромиомы матки. Патолого-анатомическое и клиническое исследование. 1925. Изд. ТГУ, VII, 204 с. 300 экз.

Зaщ. 1925, 1.11.

1062. [illegible]

დაცვა 1924, 1.6.

Микеладзе Шалва Антонович. Материалы для изучения клейкости и свертываемости крови при малярии.

Зaщ. 1924, 1.6.

1063. [illegible] თსუ, 1925. XV, 362 გვ. 400 ც.

დაცვა 1925, 29.3.

Жгенти Владимир Капланович. Глиомы. Морфологическое исследование. 1925. XV, 362 с. 400 экз.

Зaщ. 1925, 29.3.

1064. [illegible] 6, 1928).

დაცვა 1928, 12.2.

Саккварелидзе Семен Элизбарович. К морфологии эпителия и мышечной оболочки ободочной кишки человека. (Изв. ТГУ, т. 8, 1928).

Зaщ. 1928, 12.2.

1065. [illegible] 1924. [5], 231 გვ., ილ. 400 ც.

დაცვა 1924, 11.4.

Кипшидзе Семен Никифорович. Материалы к патологии большого мозга. 1924. [5], 231 с., илл. 400 экз.

Зaщ. 1924, 11.4.

1066. [illegible] თსუ, 1927, [4], 161 გვ.

დაცვა 1929, 29.5.

Цецхладзе Владимир Караманович. Морфологические особенности большого сальника человека и их значение для определения функций данного органа. ТГУ, 1927, [4], 161 с.

Зaщ. 1929, 29.5.

1067. [illegible] 1921. XI, 146 გვ. 509 ც.

დაცვა 1921, 26.6.

Ципандзаришвили Михаил Дорофеевич. Материалы к химии хондроитин серной кислоты и к ее обнаружению в моче при брюшном тифе. Тб., 1921. XI, 146 с. 500 экз.

Зaщ. 1921, 26.6.

1068. [illegible] 1925. [2], 87 გვ.

დაცვა 1925, 21.6.

Цулукидзе Александр Петрович. К вопросу о предохранительных свойствах большого сальника при некоторых патологических процессах брюшной полости. Экспериментальное исследование. 1925. [2], 87 с.

Зaщ. 1925, 21.6.

728

Dissertation for degree of

Doctor Medical Sciences

Def. at Tbilisi State U.

TSENTSOKHO, V.A.

Neumann's external problem for a solid of revolution. Vych. sist. no.12:26-51 '64. (MIRA 18:1)

Problem involving the emission of electromagnetic waves in a stratified medium with axial symmetry. Vych. sist. no.12:52-78 '64.

ALEKSEYEV, G.P.; ANDON'YEV, V.S.; ARNGOL'D, A.V.; BASKIN, S.M.; BASHMAKOV, N.A.; BEREZIN, V.D.; BERMAN, V.A.; BIYANOV, T.F.; GORBACHEV, V.N.; GRECHKO, I.A.; GRINBUKH, G.S.; GROMOV, M.F.; GUSEV, A.I.; DEMENT'YEV, N.S.; DMITRIYEV, V.P.; DUL'KIN, V.Ya.; ZVANSKIY, M.I.; ZENKEVICH, D.K.; IVANOV, B.V.; INYAKIN, A.Ya.; ISAYENKO, P.I.; KIPRIYANOV, I.A.; KITASHOV, I.S.; KOZHEVNIKOV, N.N.; KORMYAGIN, B.V.; KROKHIN, S.A.; KUDOYAROV, L.I.; KUDRYAVTSEV, G.N.; LARIN, S.G.; LEBEDEV , V.P.; LEVCHENKOV, P.N.; LEMZIKOV, A.K.; LIPGART, B.K.; LOPAREV, A.T.; MALYGIN, G.F.; MILOVIDOVA, S.A.; MIRONOV, P.I.; MIKHAYLOV, B.V., kand. tekhn. nauk; MUSTAFIN, Kh.Sh., kand. tekhn. nauk; NAZIMOV, A.D.; NEFEDOV, D.Ye.; NIKIFOROV, I.V.; NIKULIN, I.A.; OKOROCHKOV, V.P.; PAVLENKO, I.M.; PODROBINNIK, G.M.; POLYAKOV, G.Ya.; PUTILIN, V.S.; RUDNIK, A.G.; RUMYANTSEV, Yu.S.; SAZONOV, N.N.; SAZONOV, N.F.; SAULIDI, I.P.; SDOBNIKOV, D.V.; SEMENOV, N.A.; SKRIPCHINSKIY, I.I.; SOKOLOV, N.F.; STEPANOV, P.P.; TARAKANOV, V.S.; TREGUBOV, A.I.; TRIGER, N.L.; TROITSKIY, A.D.; FOKIN, F.F.; TSAREV, B.F.; TSETSULIN, N.A.; CHUBOV, V.Ye., kand. tekhn. nauk; ENGEL', F.F.; YUROVSKIY, Ya.G.; YAKUBOVSKIY, B.Ya., prof.; YASTREBOV, M.P.; KAMZIN, I.V., prof., glav. red.; MALYSHEV, N.A., zam. glav. red.; MEL'NIKOV, A.M., zam. glav. red.; RAZIN, N.V., zam. glav. red. i red. toma; VARPAKHOVICH, A.F., red.; PETROV, G.D., red.; SARKISOV, M.A., prof., red.; SARUKHANOV, G.L., red.; SEVAST'YANOV, V.I., red.; SMIRNOV, K.I., red.; GOTMAN, T.P., red.; BUL'DYAYEV, N.A., tekhn. red.

(Continued on next card)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757010019-0"

ALEKSEYEV, G.P.---(continued). Card 2.

[Volga Hydroelectric Power Station; a technical report on the design and construction of the Volga Hydroelectric Power Station (Lenin), 1950-1958] Volzhskaia gidroelektrostantsiia; tekhnicheskii otchet o proektirovanii i stroitel'stve Volzhskoi GES imeni V.I.Lenina, 1950-1958 gg. V dvukh tomakh. Moskva, Gosenergoizdat. Vol.2.[Organization and execution of construction and assembly work] Organizatsiia i proizvodstvo stroitel'no-montazhnykh rabot. Red. toma: N.V.Razin, A.V.Arngol'd, N.L. Triger. 1962. 591 p. (MIRA 16:2)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Razin).
(Volga Hydroelectric Power Station (Lenin)--Design and construction)

LOKHANOV, B.N.; KOVALENKO, V.A.; BETANELI, K.P.; VESKOV, M.I.; DRANNIKOV, S.A.; IVANOV, K.I.; BEREZNYAK, M.N.; VASIL'YEV, Ye.I.; TSETSUL'NIKOV, V.R.

Trial operation of cutter loaders in mining with the room-and-pillar method. Ugol' 37 no.8:33-35 Ag '62. (MIRA 15:9)

1. Krasnogorskiy razrez (for Lokhanov, Kovalenko). 2. Institut gornogo dela im. A.A.Skochinskogo (for Betaneli, Veskov, Drannikov, Ivanov). 3. Kemerovskiy gornyy institut (for Bereznyak, Vasil'yev, TSetsul'nikov).
(Coal mining machinery--Testing) (Mining engineering)

USSR / Forest Science. Forest Cultures. K-4

Abs Jour : Ref. Zhur - Biologiya, No 17, 1958, No. 77512

Author : Tsetsur, M. M.; Simutina, A. S.; Yaroshovich, V. G.
Inst : Dnepropetrovsk University
Title : Influence of Phosphor-Bactorin on the Growth of Seedlings of Tree Species

Orig Pub : Nauchn. zap. Dnepropetr. un-t, 1955, 54, 49-59

Abstract : Tests conducted by Dnepropetrovsk University on chernozems in 1953-1954 showed that with the introduction of phosphor-bactorin, the growth of seedlings of tree species is increased (maple, cherry, pear); foliage is increased and shedding is decreased. In addition, the content of P_2O_5 and N in the leaves was increased.

Card 1/1

"The effect of nutrients on the growth, development and yield of volatile oils in Dragon's head (Dracocephalum moldavica)," Nauch. zapiski (Dnepropetr. gos. un-t), Vol. XXXII, 1948, p. 153-56 - Bibliog; 6 items

SO: U-3850, 17 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

TSETSURA, I.

"Remote control switch-off TU-500-3-I."

So. Radio, Vol. 11, p. 63, 1952

TSETSURA, I.A.

Universal cells in dispatcher control. Avtom., telem. i sviaz' 2 no.9:21-22 S '58. (MIRA 11:10)

1.Nachal'nik laboratorii signalizatsii i svyazi Krasnoyarskoy dorogi.
(Railroads--Train dispatching)

TSETSURA, I.A.

Public planning and design office of the communications and signaling service. Avtom., telem. i sviaz' 5 no.4:35 Ap '61. (MIRA 14:6)

1. Predsedatel' obshchestvannogo konstruktorskogo byuro pri sluzhbe signalizatsii i svyazi Krasnoyarskoy dorogi.
(Railroads—Signaling)
(Railroads—Communication systems)

TSETSURA, I.A., dotsent

Effect of contact network short-circuits on track circuits and C.T.C. cables. Avtom., telem. i sviaz' 8 no.4:22-25 Ap '64. (MIRA 18:2)

1. Khar'kovskiy institut inzhenerov zheleznodorozhnogo transporta im. S.M. Kirova.

TSETSURA, I.A., dotsent

Measurement of signal and noise levels in automatic systems using magnetic tape recorders. Avtom., telem. i sviaz. 9 no.1:9-13 Ja '65. (MIRA 18:2)

1. Khar'kovskiy institut inzhenerov zheleznodorozhnogo transporta imeni S.M. Kirova.

MAYSHEV, P.V., prof.; IL'YENKOV, V.I., dotsent; MANOSHIN, N.K., inzh.; TSETSURA, I.A., inzh.

"Electric rail networks" by N.F.Kotliarenko. Reviewed by P.V.Maishev and others. Avtom., telem. i sviaz' 6 no.3:47-48 Mr '62. (MIRA 15:3)

(Railroads--Signaling) (Kotliarenko, N.F.)

TSETSURA, I.A., inzh.

Performance of automatic and remote control systems in sections with a.c. electric traction. Zhel. dor. transp. 46 no.1:43-45 Ja '64. (MIRA 17:8)

TSETSURA, I.A.

Periodical testing of high-voltage equipment. Avtom., telem. i sviaz' 2 no.2:46 F '58. (MIRA 11:1)

1. Nachal'nik laboratorii signalizatsii i svyazi Krasnoyarskoy dorogi.
(Railroads--Block system--Testing)

TSETSURA, I.A.

Inspection of automatic cab signaling devices from railroad cars equipped with testing devices. Avtom., telem.i sviaz' 4 no.2: 33-34 F '60. (MIRA 13:6)

1. Nachal'nik laboratorii signalizatsii i svyazi Krasnoyarskoy dorogi.
(Railroads--Signaling)
(Railroads--Electronic equipment)

SINEL'NIKOVA, V.P.; TSETSURA, I.A.

From experience of taking the routing-relay centralization devices into operation. Avtom.telem. i sviaz' 3 no.1:35-38 Ja '59. (MIRA 12:1)

1. Nachal'nik otdela signalizatsii, tsentralizatsii, blokirovki sluzhby signalizatsii i svyazi Krasnoyarskoy dorogi (for Sinel'nikova). 2. Nachal'nik dorozhnoy laboratorii Krasnoyarskoy dorogi (for TSetsura).

(Railroads--Train dispatching)

TSETSURA, I.A.

Reviewing the article "Periods for testing relays for signaling, central control and block systems." Avtom., telem. i sviaz' 2 no.1: 35 Ja '58. (MIRA 11:1)

1. Nachal'nik laboratorii signalizatsii i svyazi Krasnoyarskoy dorogi.
(Railroads--Signaling--Block system)

TSETSURA, I.A.

Let's improve the operation of dispatcher control equipment. Avtom., telem. i sviaz' no.12:26-30 D '57. (MIRA 10:12)

1. Nachal'nik laboratorii signalizatsii i svyazi Krasnoyarskoy dorogi.
(Railroads--Electric equipment)

TSETSURA, I.A.

Let's eliminate shortcomings in the ZhR-3 radio transmitter-receiver. Avtom.,telem.i sviaz' no.5:31-32 My '57. (MLRA 10:7)

1. Nachal'nik laboratorii signalizatsii i svyazi Krasnoyarskoy dorogi.

(Radio--Receivers and reception)

TSETSURA, I.A., inzh.

In the control and adjustment center of the Tiazhin railroad station.
Avtom., telem.i sviaz' 6 no.2:15-17 F '62. (MIRA 15:3)
(Railroads--Elegtronic equipment)

TSETSURA, Ivan Antonovich; RYAZANTSEV, B.S., kand. tekhn. nauk, retsenzent; LEONOV, A.A., inzh., red.; MEDVEDEVA, M.A., tekhn. red.

[Experience in the reorganization of central block signaling systems in connection with the transfer to a.c. traction] Opyt rekonstruktsii ustroistv STsB pri perekhode na elektricheskuiu tiagu peremennogo toka. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 93 p. (MIRA 15:3)

(Railroads--Electrification)
(Electric railroads--Sginaling--Block system)

KOTLYARENKO, N.V., kand. tekhn. nauk; MANOSHIN, N.K., inzh.;
TSETSURA, I.A., inzh.; LEONOV, A.A., inzh., retsenzent;
GLUZMAN, I.S., kand. tekhn. nauk, red.; VOROTNIKOVA,
L.F., tekhn. red.

[Track circuits] Rel'sovye tsepi. Moskva, Transzheldorizdat,
1963. 142 p. (MIRA 16:10)
(Railroads--Signaling)(Railroads--Electric equipment)

TSETTEL'MAN, F.V.

Ice fishing. Zdorov'e 9 no.3:23 Mr '63. (MIRA 16:5)

1. Starshiy master instrumental'nogo tsekha Moskovskogo elektro-lampovogo zavoda.

(ICE FISHING)

TOMIN, M.P., akademik; KOZLOVSKAYA, N.V.; KRUGANOVA, Ye.A.; MIKHAYLOVSKAYA, V.A.; TSETTERMAN, N.O.; SHISHKIN, B.K., glavnyy red.; BULAT, O., red.izd-va; VOLOKHANOVICH, I., tekhn.red.

[Flora of the White Russian S.S.R.] Flora BSSR. Minsk. Vol.5. 1959. 266 p. (MIRA 13:1)

1. Akademiia navuk Belaruskoi SSR. Minsk. Instytut biialogii. 2. Zaveduyushchiy otdelom flory i gerbariya Instituta biologii AN BSSR (for Tomin). 3. Institut biologii AN BSSR (for all except Shishkin, Bulat, Volokhanovich).
(White Russia--Compositae)

TSETTERMAN, N. O.

Tsetterman, N. O. "Cladonias of the Belorussian SSR", Uchen. zapiski (Belorus. gos. un-t), Issue 7, 1948, pp 110-33, - Bibliog: 15 items.

SO:U-3261, 10 April 53, (Letopis 'Zhurnal 'nykh Statey, No. 11, 1949).

ALFEROV, A.A.; ARTEMKIN, A.A.; ASHKENAZI, Ye.A.; VINOGRADOV, G.P.; GALEYEV, A.U.; GRIGOR'YEV, A.N.; D'YACHENKO, P.Ye.; ZALIT, N.N.; ZAKHAROV, P.M.; ZOBNIN, N.P.; IVANOV, I.I.; IL'IN, I.P.; KMETIK, P.I.; KUDRYASHOV, A.T.; LAPSHIN, F.A.; MOLYARCHUK, V.S.; PERTSOVSKIY, L.M.; POGODIN, A.M.; RUDOY, M.L.; SAVIN, K.D.; SIMONOV, K.S.; SITKOVSKIY, I.P.; SITNIK, M.D.; TETEREV, B.K.; TSETVERKIN, I.Ye.; TSUKANOV, P.P.; SHADIKYAN, V.S.; ADELUNG, N.N., retsenzent; AFANAS'YEV, Ye.V, retsenzent; VLASOV, V.I., retsenzent; VOROB'YEV, I.Ye., retsenzent; VORONOV, N.M., retsenzent; GRITCHENKO, V.A., retsenzent; ZHEREBIN, M.N., retsenzent; IVLIYEV, I.V., retsenzent; KAPORTSEV, N.V., retsenzent; KOCHUROV, P.M., retsenzent; KRIVORUCHKO, N.Z., retsenzent; KUCHKO, A.P., retsenzent; LOBANOV, V.V., retsenzent; MOROZOV, A.S., retsenzent; ORLOV, S.P., retsenzent; PAVLUSHKOV, E.D., retsenzent; POPOV, A.N., retsenzent; PROKOF'YEV, P.F., retsenzent; RAKOV, V.A., retsenzent; SINEGUBOV, N.I., retsenzent; TERENIN, D.F., retsenzent; TIKHOMIROV, I.G., retsenzent; URBAN, I.V., retsenzent; FIALKOVSKIY, I.A., retsenzent; CHEPYZHEV, B.F., retsenzent; SHEBYAKIN, O.S., retsenzent, SHCHERBAKOV, P.D., retsenzent; GARNYK, V.A., redaktor; LOMAGIN, N.A, redaktor; MORDVINKIN, N.A., redaktor; NAUMOV, A.N., redaktor; POBEDIN, V.F., redaktor; RYAZANTSEV, B.S., redaktor; TVERSKOY, K.N., redaktor; CHEREVATYY, N.S., redaktor; ARSHINOV, I.M., redaktor; BABELYAN, V.B., redaktor; BERNGARD, K.A., redaktor; VERSHINSKIY, S.V., redaktor; GAMBURG, Ye.Yu., redaktor; DERIBAS, A.T., redaktor; DOMBROVSKIY, K.I., redaktor; KORNEYEV, A.I., redaktor; MIKHEYEV, A.P., redaktor

(Continued on next card)

ALFEROV, A.A. ---- (continued) Card 2.

MOSKVIN, G.N., redaktor; RUBINSHTEYN, S.A., redaktor; TSYPIN, G.S., redaktor; CHERNYAVSKIY, V.Ya., redaktor; CHERNYSHEV, V.I., redaktor; CHERNYSHEV, M.A., redaktor; SHADUR, L.A., redaktor; SHISHKIN, K.A., redaktor

[Railroad handbook] Spravochnaia knizhka zheleznodorozhnika. Izd. 3-e, ispr. i dop. Pod obshchei red. V.A.Garnyka. Moskva, Gos. transp.zhel-dor. izd-vo, 1956. 1103 p. (MLRA 9:10)

1. Nauchno-tekhnicheskoye obshchestvo zheleznodorozhnogo transporta. (Railroads)

TSETYRKIN, I. Ye., kand.tekhn.nauk, dotsent

Stability of the compressed area of an open bridge. Trudy MIIT no.131:230-246 '61. (MIRA 14:5)
(Bridges)

TSETYRKIN, I.Ye., kandidat tekhnicheskikh nauk.

Approximate method of determining the thermal pressures in the walls of a locomotive firebox. Trudy MIIT no.82/83:134-149 '55.
(MLRA 9:8)

(Locomotives--Fireboxes)

TSETYRKIN, I.Ye., kand.tekhn.nauk, dotsent

Three-hinge arch strengthened by guys. Trudy MIIT no.174:74-79 '64. (MIRA 18:1)

ANTONOV, I.A., kand.tekhn.nauk; ANTOSHIN, Ye.V., inzh.; ASINOVSKAYA, G.A., inzh.; VASIL'YEV, K.V., kand.tekhn.nauk; GUZOV, S.G., inzh.; DEYKUN, V.K., inzh.; ZAYTSEVA, V.P., inzh.; KAZHEKOV, P.P., inzh.; KARAN, Yu.B., inzh.; KOLTUNOV, P.S., kand.tekhn.nauk; KOROVIN, A.I., inzh.; KRZHECHKOVSKIY, A.K., inzh.; KUZNETSOVA, Ye.I., inzh.; MATVEYEV, N.N., tekhnik; MOROZOV, M.Ye., inzh.; NEKRASOV, Yu.I., inzh.; NECHAYEV, V.D., kand.tekhn.nauk; NINBURG, A.K., kand.tekhn.nauk; SPEKTOR, O.Sh., inzh.; STRIZHEVSKIY, I.I., kand.khim.nauk; TESMENITSKIY, D.I., inzh.; KHROMOVA, TS.S., inzh.; TSKUNEL', A.K., Inzh.; SHASHKOV, A.N., kand. tekhn.nauk, dots.; SHEL'ECHNIK, M.M., inzh.; SHUKHMAN, D.Ya., inzh.; EDEL'SON, A.M., inzh.; VOLODIN, V.A., red.; UVAROVA, A.F., tekhn.red.

[Machines and apparatuses designed by the All-Union Institute of Autogenous Working of Metals] Mashiny i apparty konstruktsii VNIIAvtogen. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroitel'noi lit-ry, 1957. 173 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut avtogennoi obrabotki metallov, no.9)

(Gas welding and cutting--Equipment and supplies)

IVANOV, F.M., kand.tekhn.nauk; SMOL'YANINOV, A.A., kand.tekh.nauk; SOLN-TSEVA, V.L., kand.tekhn.nauk

Waterproofing the foundation of poles of contact networks. Transp. stroi. 13 no.9:51-54 S '63. (MIRA 16:12)

LAVROV, L.S.; ROMASHOV, V.A.; DANZAN, G.; TSEVEGZHAV, T.

Ecologic characteristics of the habitat and prospects for the development of South Asiatic beaver colonies in the Bulgan River. Biul. MOIP. Otd. biol. 70 no.2:25-33 Mr-Ap '65. (MIRA 18:5)

CHALOV, P.I.; TSEVELEV, M.A.

Relative levels of stratospheric fallout of fission fragments.
Atom. energ. 19 no.5:470-472 N '65. (MIRA 18:12)

L 06186-67 EWT(1) RO/GW

ACC NR: AP6019518 SOURCE CODE: UR/0362/66/002/002/0205/0207

27

AUTHOR: Chalov, P. I.; Tsevelev, M. A.

B

ORG: Institute of Physics and Mathematics, Academy of Sciences KirgSSR (Akademiya nauk KirgSSR, Institut fiziki i matematiki)

TITLE: Wash out of radioactive aerosols by atmospheric precipitation below the cloud level

SOURCE: AN SSSR. Izvestiya. Fizika atmosfery i okeana, v. 2, no. 2, 1966, 205-207

TOPIC TAGS: radioactive fallout, radioactive aerosol, atmospheric precipitation, atmospheric cloud

ABSTRACT: Radioactive fallout stainless-steel samplers (collecting surface of 0.38 m^2) were set on a hill slope at 2070, 2477, and 2689 m above sea level during 0.1—0.5 mm/hr rainfalls in June 1963. Beta-radiation was determined with a B-2 radiometer and an SI-2B counter in dry residues of the collected rainfall water. The difference (I_0-I_{2t}) between the radioactivity of the lower and upper rainfall samples, attributable to fallout wash out by precipitation, fluctuated between 0.05 and 7.9 units, with greater values for Sc and lower values for Cu. Solid fallout radioactivity at the same points was generally lower (1.0—2.09) than

Card 1/2 UDC: 551.510.721

L 06186-67
ACC NR: AP6019518

comparable rainfall radioactivity (1.0—8.9 units). These results prove the entrainment of radioactive fallout in atmospheric precipitation and the existence of a dependence of the intensity of the process on a particular class of clouds producing rainfall. Orig. art. has: 2 tables.

SUB CODE: 04,18/ SUBM DATE: 10Apr65/ ORIG REF: 006/ OTH REF: 011

Card 2/2 afs

Tseveleva, I. A.

Determination of the coefficient of crystallization of thorium B (lead) on its distribution between the melt and the crystals of isomorphous salts. V. R. Klokman, V. K. Zinov'eva, and I. A. Tseveleva. *Bull. Acad. Sci. U.S.S.R., Div. Chem. Sci.* 1955, 721–4(Engl. translation).—See *C.A.* 50, 3831*h*. B. M. R.

TSEVELEVA, I. A.

4

Determination of the coefficient of crystallization of thorium B (lead) on its distribution between the melt and the crystals of isomorphous salts. V. P. Klokman, V. K. Zinov'eva, and I. A. Tsevyleva. *Izvest. Akad. Nauk S.S.S.R., Otdel. Khim. Nauk* 1955, 840–4.—The coeffs. of crystn. D were detd. for Th B that is distributed between the melt and the crystals of (1) $BaCl_2$, in the system $BaCl_2$–$Ba(NO_3)_2$, (D = 0.80 ± 5%); (2) $Ba(NO_3)_2$, in the systems $Ba(NO_3)_2$–$NaNO_3$ and $Ba(NO_3)_2$–$BaCl_2$ (D = 0.05 ± 0.02). It was shown that at 500° equil. between the melt and the solid phase is established after 1 hr. J. Rovtar Leach.

Radium Inst im V. G. Khlopin, AS USSR

LIBINZON, R.Ye.; TSEVELEVA, I.A.

Sensitivity of bone marrow proteins to proteolytic enzymes in irradiated animals. Biokhimiia 24 no.2:263-266 Mr-Ap '59. (MIRA 12:7)
(PROTEASES,
bone marrow protein sensitivity in gamma-ray irradiated animals (Rus))
(MARROW, eff. of radiations,
gamma rays, on protein sensitivity to proteases (Rus))
(GAMMA RAYS, eff.
on bone marrow protein sensitivity to proteases (Rus))

TSEVELEVA, I.A.

Plutonium content of protein fractions in the tubular bones of rats. Biokhimiia 25 no.4:636-639 Jl-Ag '60. (MIRA 13:11)
(BONES) (PROTEINS IN THE BODY) (PLUTONIUM)

YELKINA, N.I.; TSEVELEVA, I.A.

Mineral and protein metabolism in the bone tissue in rats after plutonium injury. Med.rad. 6 no.3:58-63 '61. (MIRA 14:5)

(BONES) (NITROGEN METABOLISM) (MINERALS IN THE BODY) (PLUTONIUM—TOXICOLOGY)

TSEVELEVA, I.A.; LIBINZON, R.Ye.

Free nucleotides in some tissues of a rabbit. Biokhimiia 27 no.2:305-312 Mr-Ap '62. (MIRA 15:6)
(NUCLEOTIDES)

44061

S/742/62/000/00/003/021
I015/I215

27.3520
27.1220

AUTHORS: Belyayev, Yu.A., Yelkina, N.I., Konstantinova, V.V., and Tseveleva, I.A.

TITLE: The toxicologic characteristics of sodium-plutonyl-triacetate and its distribution in rats

SOURCE: Plutoniy-239; raspredeleniye, biologicheskoye deystviye, uskoreniye vyvedeniya. Ed. by A.V. Lebedinskiy and Yu.I. Moskalev. Moscow, Medgiz, 1962, 19-22

TEXT: This plutonium salt has been studied little. Experiments were carried out on 260 rats and 49 control animals weighing 120-150 g. The doses of freshly prepared, i.p. injected plutonium salt (pH = 6.5) were 21,11,6.3,3.3 and 1.6 μCu/kg b.w. Three animals from each dose group were sacrificed at various time-intervals after injection and

Card 1/2

The toxicologic characteristics...

their organs were examined for the presence of plutonium. The results of the histologic examination are reported by A.P. Nifatov in a separate article. The blood picture was studied in 10 animals of each group on the 1st, 2nd and 3rd week and 1st, 2nd, 3rd and 6th month after injection. The determination of plutonium in the organs was carried out by Yu.A. Belyayev's method. It was found that the distribution of $NaPuO_2(CH_3COO)_3$ in the various organs was very much the same as that of other plutonium compounds. The deposits in the bones of the plutonium compound studied accounted for 50-60% of the injected dose, but decreased gradually down to 27% 18 months after the injection. The distribution of Pu in organism was independent of the dose. The doses of 3.3 and 1.6 μCu/kg b.w. were the most carcinogenic, whereas the latter dose did not affect the average life-span of the rats. There are 3 tables.

Card 2/2

11617
S/205/62/002/005/004/017
D268/D308

27.1220

AUTHOR: Tseveleva, I.A.

TITLE: The effect of irradiation on nucleotide metabolism in rabbit liver

PERIODICAL: Radiobiologiya, v. 2, no. 5, 1962, 674 - 680

TEXT: To determine the action of ionizing radiation on nucleotide metabolism in rabbit liver at different degrees of phosphorylation, each of 33 rabbits was given a dose of Co^{60} gamma-radiation of 1,000 r and studied at 30 minutes, 4, 12, 24 and 48 hours after irradiation. Nucleotides were isolated by the A.V. Kotel'nikova method (Biokhimiya, 25, 1084, 1960). Results showed that at 30 minutes nucleotide concentration was mostly normal, though there was a more than 2-fold increase in that of IMF (ionozin-5'-phosphoric acid) and X_3 (cytidine phosphate derivative), maintained at 1.5 and 1.8-fold respectively at 4 hours. DNP (diphosphopyridine nucleotide) and X_1 (TPN: triphosphopyridine nucleotide) showed a marked increase, while there was a 2-fold decline in the quantity of GDF (guano-

Card 1/2

The effect of irradiation on ...

sine triphosphoric acid). With time lapse after irradiation there were progressive changes in nucleotide concentration. At 12 hours the concentration of all tri- and diphosphates declined, while the increased level for IMP, DPN, X_1 and X_3 was maintained. At 24 hours nucleoside monophosphate concentration increased, that of nucleoside di- and triphosphates declining. At 48 hours the nucleotide level returned to normal. P^{32} inclusion intensity in most nucleotides in the first days after irradiation remained normal, though there was a 30 - 50 % increase in nucleoside di- and triphosphates after 24 hours. The data obtained confirmed that a single exposure to radiation gave some increase to P^{32} in liver RNA. There are 1 figure and 2 tables.

SUBMITTED: February 8, 1962

Card 2/2

44064

S/742/62/000/000/006/021
I015/I215

27.1220

AUTHORS: Rysina, T.N., Tseveleva, I.A.

TITLE: The transmission of plutonium to the offspring

SOURCE: Plutoniy-239; rasprodeleniye, biologicheskoye deystviyd, uskoreniye vyvedeniya. Ed. by A.V. Lebedinskiy and Yu.I. Moskalev. Moscow, Medgiz, 1962, 41-44

TEXT: The problem of the transmission of plutonium from the maternal organism to the offspring during pregnancy as well as during lactation has been insufficiently studied. Experiments were carried out on 17 puppies of varying ages, which were born at different times after the administration of plutonium to the dogs. Plutonium nitrate was administered i.v. four times at intervals of one month. The total dose of Pu was 0.2 μg/kg b.w. The liver and the bones were examined for

Card 1/2

S/742/62/000/000/006/021
I015/1215

The transmission of plutonium...

their Pu contents, which was expressed by the specific activity as percentage of the amount of the injected Pu to the mother. It was found that the placenta was only slightly permeable to plutonium, probably due to its high atomic number and to its stable absorption to tissues. The specific activity in the tissues of newborn puppies was about 10^{-5} - 10^{-6} (% of the dose administered to the mother). The Pu concentration in the tissues of the puppies decreased steadily and was at the age of 3-7 months only 0.05-0.02 of that found in newborns. The specific activity in the bones of the puppies was higher than in the liver, contrary to the picture observed in the adult dogs. There are 3 tables.

Card 2/2

S/742/62/000/000/008/021
I015/I215

Plutonium contents...

nitrate (given i.p.) and parts of the diaphysis of the femur was analyzed 30 days after the injection. The bones were defatted and decalcified and minced to powder. The organic matrix was then separated by the method of Stacy to the following fractions: 1) autoclaving soluble proteins, but not precipitating, with trichloracetic acid (TCA); 2) autoclaving soluble proteins which precipitate with TCA; 3) proteins not going into solution after autoclaving.

Another method, of Eastoe and of Slack-Neuberger which did not involve autoclaving was also employed. It was found that 90% of the Pu complex was bound to the organic matrix of the diaphysis in rats and rabbits. All the protein fractions of the bones contained plutonium, 65-80% were bound to collagen, 15% to albuminoids, 4% to mucoids and 5% to residual proteins. The Pu-binding capacity per 1 mg of nit-

Card 2/3

S/742/62/000/000/008/021
I015/I215

Plutonium contents...

rogen of the metabolically active proteins (albuminoids) was 4-10 times as great as that of collagen and residual proteins. It is considered that $SO_4^{=}$ groups of the chondroitinsulphate participate in the Pu binding, since the relative specific activity of mucoids was twice as great as that of collagen. There are 3 tables.

Card 3/3

44067

S/742/62/000/000/009/021
I015/I215

271220

AUTHORS: Yelkina, N.I., Tseveleva, I.A.

TITLE: Effect of plutonium on mineral and protein metabolism in bone tissue of rats

SOURCE: Plutoniy-239; raspredeleniye, biologicheskoye deystviye, uskoreniye vyvedeniya. Ed. by A.V. Lebedinskiy and Yu.I. Moskalev. Moscow, Medgiz, 1962, 56-62

TEXT: This is the continuation of a previous study. Experiments were carried out on 86 female albino rats weighing 120-160g and on 74 control animals. One group of animals received 20.0 μCu/kg b.w. of plutonium (in the form of nitrate or citrate complex, pH = 6.0), and another group received 1.9 μCu/kg b.w. Subacute damage developed

Card 1/3

S/742/62/000/000/009/021
I015/I215

Effect of plutonium on mineral...

following the administration of the larger dose, and 20-25% of the animals died within a period of 2 months after the administration. This group was examined on the 60th-70th day. The group of animals which received the smaller dose was examined 1-1½ years after the administration of the radioactive substance. The minerals and the nitrogen-containing substances were investigated separately in the spongy and compact bones (epiphysis and metaphysis, and diaphysis, respectively). The bones were washed off the bone marrow with physiological solution and their calcium and phosphorus determined permanganometrically and by the method of Fiske-Subarrow, after mineralization with suphuric acid, respectively. The metabolic processes in the bones were studied with P^{32}, Ca^{45} and glycine-1-C^{14}. The simultaneous measuring of Pu^{239} and C^{14} was carried out by the method of R.V. Semov. It was found that the P, Ca and nitrogen-containing sub-

Card 2/3

S/742/62/000/000/009/021
I015/I215

Effect of plutonium on mineral...

stances were present in the same amounts following both doses of Pu. There was a decrease in the alkaline phosphatase activity in the epi- and diaphysis in cases of chronic injury - of 25% after one year, and of 50% after 18 months. The rate of P^{32} and particularly of Ca^{45} incorporation into the epiphysis of the experimental animals was considerably lower than in the controls. The rate of incorporation of glycine-1-C^{14} into the epiphysis in cases of chronic injury was about one half of that in the controls. There are 5 figures and 1 table.

X

Card 3/3

LIBINZON, R.Ye.; TSEVELEVA I.A.

Metabolism of ribonucleotides in the bone marrow of irradiated rabbits. Radiobiologiia 4 no.4:503-507 '64.
(MIRA 17:11)

TSEVELEVA, I.A.

Effect of ionizing irradiation on the nucleotide content and metabolism of lymphoid tissue in rabbits. Radiobiologiia 3 no.3:393-399 '63. (MIRA 17:2)

VORONOV, Yu.G.; GORLOV, M.Ya.; KUVARIN, Yu.N.; TSEYLIN, M.A.

Performance of blast furnaces with carbon blocks in the hearth and hearth bottom. Metallurg 9 no.3:7-9 Mr '64. (MIRA 17:3)

L 11242-63 EWT(1)/EWT(m)/BDS--AFFTC/ASD--AR/K
ACCESSION NR: AP3001064 S/0205/63/003/003/0393/0399

53

AUTHOR: Tseveleva, I. A. 19

TITLE: Effect of ionizing radiation on content and metabolism of lymphoid tissue of rabbits

SOURCE: Radiobiologiya, v. 3, no. 3, 1963, 393-399

TOPIC TAGS: P sup 32, nucleonic acid, lymphoid tissue, metabolism, gamma radiation, phosphorylation

ABSTRACT: Disturbances in nucleonic acid formation may be caused by lack of nucleosidepolyphosphates. Determining the nucleotide levels at different degrees of phosphorylation in irradiated animal tissues can provide important data for understanding the loss mechanism and lower formation rate of nucleonic acids. The purpose of this investigation was to determine the concentration and intensity of radioactive P sup 32 in nucleotides of appendix lymphoid tissue at different time intervals after irradiation of 1000 r dose. Rabbits were irradiated with gamma rays from a Co sup 60 source with a 1000 r dose at 10 r/min and then sacrificed after 30 min, 60 min, and 4, 12, 24, and 48 hrs. Sharp loss (27-65%) in concentration of nucleosidepolyphosphates takes place 30 to 60 min after irradiation.

Card 1/2

L 11242-63
ACCESSION NR: AP3001064

0

The number of nucleosidetriphosphates is lowest (82-92%) 12 hrs after irradiation and the triphosphate level is 60% lower than the norm after 24-48 hrs. Concentration of nucleosidemonophosphates is somewhat higher than the norm during most of the time intervals. Irradiation decreases the restoration rate of nucleosidemonophosphates and polyphosphates. Orig. art. has: 4 figures, 2 tables.

ASSOCIATION: none

SUBMITTED: 11Jul62 DATE ACQD: 01Jul63 ENCL: 00

SUB CODE: 00 NO REF SOV: 007 OTHER: 010

ch/ww
Card 2/2

IKONNIKOV, N.P., red.; TSEVELEVA, R., red.; KUZNETSOVA, K., tekhn.red.

[National economy of the Tuva A.S.S.R.; statistical abstract] Narodnoe khoziaistvo Tuvinskoi ASSR; statisticheskii sbornik. Kyzil, Tuvinskoe knizhnoe izd-vo, 1962. 259 p. (MIRA 16:4)

1. Tannu-Tuva. Statisticheskoye upravleniye. 2. Nachal'nik Statisticheskogo upravleniya Tuvinskoy ASSR (for Ikonnikov).
(Tuva A.S.S.R.--Statistics)

ZORIN, A.I.; TSEVEL'NEV, B.V.

Obtaining high-grade cast iron by double inoculation. Lit. proizv. no.2:45 F '63. (MIRA 16:3)

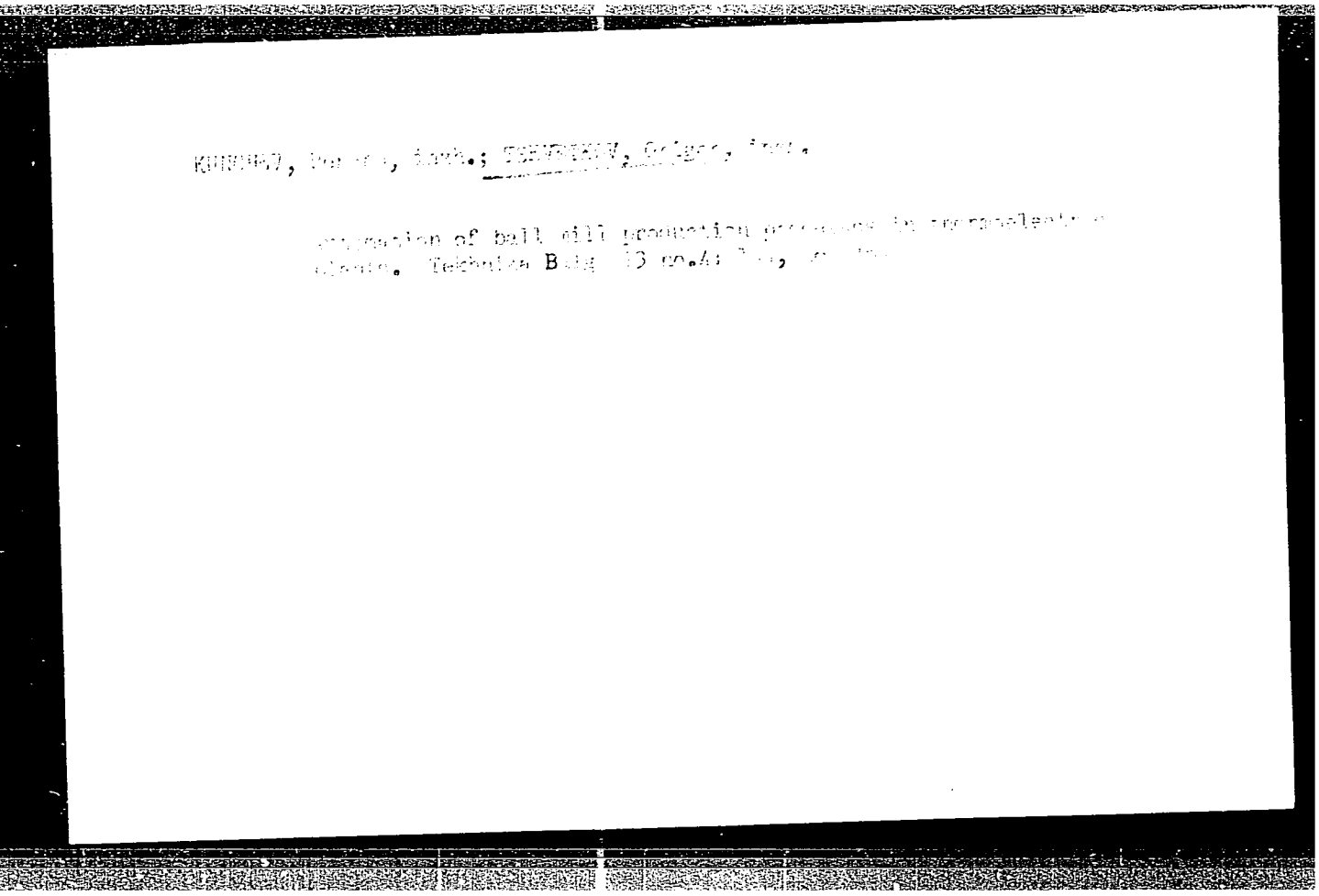
(Cast iron--Metallurgy)

TSEVETKOV, A.

"International competition on short wave radios."

p. 3, (Radio I Televiziia) Vol. 6, no. 12, 1957
Sofiia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4
April, 1958.



1. TSEVETKOV, L. A.

2. USSR (600)

4. Hydrocarbons - Study and Teaching

7. Method of studying hydrocarbons. Khim.v shkole no. 6 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

S/844/62/000/000/089/129
D204/D307

AUTHORS: Tsevetkov, Yu. D., Lebedev, Ya. S. and Voyevodskiy, V. V.

TITLE: A study of radical recombinations in irradiated teflon

SOURCE: Trudy II Vsesoyuznogo soveshchaniya po radiatsionnoy khimii. Ed. by L. S. Polak. Moscow, Izd-vo AN SSSR, 1962, 521-525

TEXT: The kinetics were studied of the recombinations of fluoroalkyl ($\dot{R}$) and peroxide ($\dot{R}O_2$) radicals, formed when polytetrafluoroethylene (teflon) is irradiated with γ rays, in vacuum or under O_2, as this field is as yet incompletely explored. EPR spectroscopy was employed to follow the reactions in specimens in which the degree of crystallinity, α, was 46 or 74%. The reactions were always of the 2nd order, but the velocity constants (k^0) depended on α. Thus for $\dot{R}$ radicals, with α = 74%, $k^0 = 10^6$, and with α = 46%, $k^0 = 10^{-3}$ cm^3/sec. A linear relation was observed between log k^0 and E_{eff},

Card 1/2

the effective activation energies, which were between 30 ± 3 and 65 ± 5 and between 10 ± 2 and 26 ± 3 kcal/mole for $\dot{R}$ and $\dot{R}O_2$ radicals respectively. The pre-exponential constants were anomalously high. To explain the observed phenomena, it is suggested that the activation energy, which apparently depends on the potential barrier for the rotation of polymeric chain segments, decreases with increasing temperature (180 - 270°C for $\dot{R}$, and 110 - 200°C for $\dot{R}O_2$, i.e. for teflon irradiated under oxygen). The theoretical results may be of use in the study of solid state reactions exhibiting a compensating effect and abnormally high pre-exponential multipliers. There are 2 figures and 2 tables.

ASSOCIATION: Institut khimicheskoy fiziki AN SSSR; Institut khimicheskoy kinetiki i goreniya SO AN SSSR (Institute of Chemical Physics, AS USSR; Institute of Chemical Kinetics and Combustion, Siberian Branch of the AS USSR)

ALEKSANDROV, B.F., inzh.; BALYKOV, V.M., inzh.; BARANOVSKIY, F.I., inzh.; BOGUTSKIY, N.V., inzh.; BUH'KO, V.A., kand.tekhn.nauk, dotsent; VAVILOV, V.V., inzh.; VOLOTKOVSKIY, S.A., prof., doktor tekhn.nauk; GRIGOR'YEV, L.Ya., inzh.; GRIDIN, A.D., inzh.; ZARMAN, L.N., inzh.; KOVALEV, P.F., kand.tekhn.nauk; KUZNETSOV, B.A., kand.tekhn.nauk, dotsent; KUSNITSYN, G.I., inzh.; LATYSHEV, A.F., inzh.; LEYBOV, R.M., doktor tekhn.nauk, prof.; LEYTES, Z.M., inzh.; LISITSYN, A.A., inzh.; LOKHANIN, K.A., inzh.; LYUBIMOV, B.N., inzh.; MASHKEVICH, K.S., inzh.; MALKHAS'YAN, R.V.; MILOSERDIN, M.M., inzh.; MITNIK, V.B., kand.tekhn.nauk; MIKHEYEV, Yu.A., inzh.; PARAMONOV, V.I., inzh.; ROMANOVSKIY, Yu.G., inzh.; RUBINOVICH, Ye.Ye., inzh.; SAMOYLYUK, N.D., kand.tekhn.nauk; SMEKHOV, V.K., inzh.; SMOLDYREV, A.Ye., kand.tekhn.nauk; SNAGIN, V.T., inzh.; SNAGOVSKIY, Ye.S., kand.tekhn.nauk; FEYGIN, L.M., inzh.; FRENKEL', B.B., inzh.; FURMAN, A.A., inzh.; KHORIN, V.N., dotsent, kand.tekhn.nauk; CHETVEROV, B.M., inzh.; CHUGUNIKHIN, S.I., inzh.; SHELKOVNIKOV, V.N., inzh.; SHIRYAYEV, B.M., inzh.; SHISHKIN, N.F., kand.tekhn.nauk; SHPIL'BERG, I.L., inzh.; SHORIN, V.G., dotsent, kand.tekhn.nauk; SHTOKMAN, I.G., doktor tekhn.nauk; SHURIS, N.A., inzh.; TERPIGOREV, A.M., glavnyy red.; TOPCHIYEV, A.V., otv.red.toma; LIVSHITS, I.I., zamestitel' otv.red.; ABRAMOV, V.I., red.; LADYGIN, A.M., red.; MOROZOV, R.N., red.; OZERNOY, M.I., red.; SPIVAKOVSKIY, A.O., red.; FAYBISOVICH, I.L., red.; ARKHANGEL'SKIY, A.S., inzh., red.;

(Continued on next card)

ALEKSANDROV, B.F.---(continued) Card 2.

BELYAYEV, V.S., inzh., red.; BUKHANOVA, L.I., inzh., red.; VLASOV, V.M., inzh., red.; GLADILIN, L.V., prof., doktor tekhn.nauk, red.; GREBTSOV, N.V., inzh., red.; GRECHISHKIN, F.G., inzh., red.; GONCHAREVICH, I.F., kand.tekhn.nauk, red.; GUDALOV, V.P., kand.tekhn. nauk, red.; IGNATOV, N.N., inzh., red.; LOMAKIN, S.M., dotsent, kand. tekhn.nauk, red.; MARTYNOV, M.V., dotsent, kand.tekhn.nauk, red.; POVOLOTSKIY, I.A., inzh., red.; SVETLICHNYY, P.L., inzh., red.;SAL'-TSEVICH, L.A., kand.tekhn.nauk, red.; SPERANTOV, A.V., kand.tekhn. nauk, red.; SHETLER, G.A., inzh., red.; ABARBARCHUK, F.I., red.izd-va; PROZOROVSKAYA, V.L., tekhn.red.; KONDRAT'YEVA, M.A., tekhn.red.

[Mining; an encyclopedic handbook] Gornoe delo; entsiklopedicheskii spravochnik. Glav.red.A.M.Terpigorev. Chleny glav.redaktsii A.I. Baranov i dr. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu. Vol.7. [Mining machinery] Gornye mashiny. Redkol.toma A.V.Topchiev i dr. 1959. 638 p. (Mining machinery) (MIRA 13:1)

TSEVIN, P.Kh., gornyy inzh.

Fire hazard in mining bauxite deposits in the Northern Urals. Gor. zhur. no.9:67 S '60. (MIRA 13:9)

1. Institut Unipromed' Sverdlovsk.
(Ural Mountains--Bauxite) (Mine fires)

TSEVTANOV, Petur

Chemical industries at the Plovdiv Fair. Khim i industriia 36 no.7: 241-242 '64.

TSEVTKOV, A.D., inzh.

S-661 vibration roller. Mekh. stroi. 18 no.6:25-26 Je '61. (MIRA 14:7)

(Linoleum)

TSEVTKOV, V.A.

Calucalation of the volt-ampere characteristic of a saturable reactor in nonsymmetrical operation. Elektroenergetika no.2:159-165 '60. (MIRA 14:3)

(Magnetic amplifiers)

TSEVTKOV, V.D.; ZARKH, S.B.

The AM223 automatic four-position eight-spindle boring machine. (MIRA 14:9)
Biul.tekh.-ekon.inform. no.9:41-42 '61.
(Drilling and boring machinery)

L 07925-67 EWT(m)/EWP(t)/ETI IJP(c) JD

ACC NR: AP6033385 SOURCE CODE: UR/0075/66/021/008/0980/0984

AUTHOR: Grushina, N. V.; Tsevun, V. I.; Khrapchenkova, G. V.; Yerdenbayeva, M. I.; Kozin, L. F.

ORG: Institute of Chemical Sciences, AN KazSSR, Alma-Ata (Institut khimicheskikh nauk AN KazSSR)

TITLE: Determination of impurities in high-purity cadmium

SOURCE: Zhurnal analiticheskoy khimii, v. 21, no. 8, 1966, 980-984

TOPIC TAGS: cadmium, cadmium metal, impurity determination, high purity cadmium, cadmium nitrate

ABSTRACT: A method has been developed for the spectrochemical determination of 10^{-4}—10^{-6}% impurities in cadmium after their concentration by coprecipitation with cadmium diethyldithiocarbamate. The method was applied to the analysis of high-purity cadmium metal and cadmium nitrate. The relative experimental error is ±25%. Orig. art. has: 2 figures and 3 tables. [Authors' abstract]

SUB CODE: 07/ SUBM DATE: 23Nov64/ ORIG REF: 007/ OTH REF: 001/

Card 1/1 vmb

L 62911-66 EWT(m)/EWP(j) RM

ACC NR: AP6016697 SOURCE CODE: UR/0079/65/035/012/2190/2192

AUTHOR: Tsevunin, V. S.; Kamay, G. Kh.; Kormachev, V. V.

ORG: none

TITLE: Action of secondary chlorophosphines with alpha-Chloro-containing simple esters and sulfides

SOURCE: Zhurnal obshchey khimii, v. 35, no. 12, 1965, 2190-2192

TOPIC TAGS: ester, sulfide, chlorinated organic compound, organic phosphorous compound, halogenation, vacuum distillation

ABSTRACT: A considerable number of compounds of the R_3PX_2 type is obtained by the halogenation of tertiary phosphines. Their preparation by the addition of alkyl halides to halophosphines is encountered compartively rarely.
Dialkyl(diaryl)chlorophosphines were treated with alpha-chloromethyl esters and alpha-chloroethylalkyl(aryl)sulfides. The reaction of the dialkylchlorophosphines with these esters and sulfides proceeds with heat evolution, but the reaction of diarylchlorophosphines with these same reagents requires heating on a boiling water bath. The products are crystalline substances or thick liquids.
The complexes are vigorously decomposed by water, alcohols, or hydrogen sulfide to generate hydrogen chloride (alkyl chloride) and the corresponding oxides (I) and thiooxides (II) of phosphines.

Card 1/2 UDC: 546.181.1+547.431.4

L 25611-66

ACC NR: AP6016697

$$R_2PC \nearrow ClCH_2OR' \longrightarrow \left[R_2\overset{+}{P}CH_2OR' \quad Cl \right] \quad Cl^- \longrightarrow R_2\overset{O}{\overset{\|}{P}}CH_2OR' \text{ (I)} \quad \text{or} \quad R_2\overset{S}{\overset{\|}{P}}CH_2OR' \text{ (II)}$$

The phosphinic oxides are purified only by numerous distillations or by decomposition of the complex with an excess of a higher boiling alcohol (butanol). This is apparently associated with the fact that the oxides are free to form salts with the hydrogen chloride generated during decomposition of the complexes. In the case of the liquid oxides these salts are unstable and a large part of the HCl is cleaved and drawn off during vacuum distillation. This is not observed in the thiooxides. Orig. art. has: 2 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: 01Jan65 / ORIG REF: 001 / OTH REF: 002

Card 2/2 FV

PYSHKO, I.K., mayor med.sluzhby; TSEY, E.D., mayor med.sluzhby

Treatment of osseous paronychia. Voen.-med. zhur. no. 2:57-58 F '61. (MIRA 14:2)

(FELON (DISEASE))

TSEYDLER, A.A. and DERKACHEV, D.I.

"The Reaction of Nickel Silicates with Iron or Calcium Sulfides in the Molten State." Cvetnyye Metally, (Light Metals), 1938, 7, 66-71.

SO: Translation-2524467, 30 Apr 1954.

PA 28T62

TSEYDLER, A. A.

USSR/Metals Mar/Apr 1947
Copper Oxides
Nickel Oxides

"The Interaction of Cupric Oxide and Nickel Monoxide as a Function of the Temperature and Length of Time Their Mixture is Fired," Prof Dr A. A. Tseydler, N. I. Zaremba, Engr, MinTsvetMetZoloto, 2 pp

"Tsvetnye Metally" No 2

Discussion, with graphs and tables, of the chemical reactions which take place in mixtures of cupric oxide and nickel monoxide when they are fired at temperatures below and above 600°.

BS 28T62

TSEYDLER, A. A.

Technology

Metallurgy of heavy non-ferrous metals, Moskva, Gos. nauchno-tekhn. izd-vo litry po chernoi i tsvetnoi metallurgii,, Pt. 1, (Copper, nickel), Med', nikel', 1951.

Monthly List of Russian Accessions, Library of Congress, March 1952, UNCLASSIFIED.

Technology

Metallurgy of heavy nonferrous metals. Moskva, Gos. nauchno-tekhn-tekhn. izd-vo litry ;o [illegible] chernoi i tsvetnoi metallurgii. Vol. 2. (Lead and zinc) Svinets, tsink. 1951

Monthly List of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED

AVETISYAN, Khosrov Kurginovich [deceased]; TSEYDLER, A.A., professor, doktor, retsenzent; BURDUKOV, P.V., inzhener, retsenzent; MOLCHANOV, A.A., inzhener, retsenzent; RUKAVISHNIKOV, B.S., redaktor; ARKHANGEL'SKAYA, M.S., redaktor; ATTOPOVICH, M.K., tekhnicheskiy redaktor.

[Metallurgy of blister copper] Metallurgiia chernovoi medi. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1954. 464 p. (MLRA 7:12)
(Copper--Metallurgy)